

PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)

(Estd. under the Panjab University Act
VII of 1947- enacted by the Govt. of India)

FACULTY OF ARTS

SYLLABI

FOR

**MASTERS IN DISASTER MANAGEMENT
(SEMESTER SYSTEM)**

2019-20

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Masters in Disaster Management			
Department of Geography, Panjab University Chandigarh			
Sl. No.	Name of the Candidate	Roll No.	Grade
DM 101	Foundations of Disaster Management	100	4







5. The candidates will be required to carry out practical exercises and submit the practical file record for evaluation. Assessment of practical record and viva-voce will be done by three examiners consisting of internal, Chairperson of the department and one additional faculty member teaching the course. Distribution of marks: Practical record: 20 marks and Viva-voce Examination: 10 marks. The practical file shall be submitted to the department ten days before the commencement of the theory examination of the semester.

L B A

1. Birkmann, J. *Measuring Vulnerability to Natural Hazards: Towards Disaster Resilient Societies*. US: United Nations University Press, 2006.
2. Coppola, Damon P. *Introduction to International Disaster Management*. Third Edition, Elsevier, London, 2015.
3. Elliott, A. and E.V. Hsu (eds.). *The Consequences of Global Disasters*, Routledge, London, 2016.
4. Hewitt, K. *Regions at Risk: A Geographical Introduction to Disasters*, Routledge, 2014.
5. International Federation of Red Cross and Red Crescent Societies (IFRC). *World Disaster Report*, Geneva, Switzerland, 1993.
6. International Federation of Red Cross and Red Crescent Societies (IFRC). *World Disaster Report: Focus on Recovery*, Geneva, Switzerland, 2001.
7. International Federation of Red Cross and Red Crescent Societies (IFRC). *World Disaster Report: Urban Risk*, Geneva, Switzerland, 2010.
8. International Federation of Red Crescent Societies (IFRC). *World Disaster Report: Leaving No One Behind*, Geneva, Switzerland, 2018.
9. Kasperson, J.X., Kasperson, R.E. and Turner, B. L. *Regions at Risk: Comparisons of Threatened Environments*, United Nation, University Press, Tokyo, 1995.
10. The United Nations Office for Disaster Risk Reduction (UNISDR). *Sendai Framework For*

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B

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Theory Paper: 80

Internal Assessment: 20

Main objectives of this course are to familiarize the students with the foundations, recent trends in disaster management in India. It introduces various administrative, institutional and financial framework and Governmental and Non-Governmental practices for disaster management in India.



- i. Disaster-scape of India
- ii.

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8. Gosh, G.K. *Disaster Management*, A.P.H. Publishing Corporation, New Delhi, 2016.
9. Government of India. *Disaster Management in India -A Status Report*, 2004.
(<http://ndmindia.nic.in/EQProjects/Disaster%20Management%20in%20India%20A%20Status%20Report%20-%20August%202004.pdf>)
10. Government of India. *Disaster Management in India*

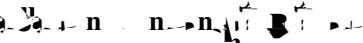


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L B A

1. Abarquez I., Murshed Z. *Field Practitioners' Handbook- Community-based Disaster Risk Management*, Asian Disaster Preparedness Centre, Bangkok, Thailand, 2004.
2. Coppola D.P. *Introduction to International Disaster Management*, 2015, Elsevier, UK.
3. Kelman, I., Mercer, J. and Gillard, J C. *The Routledge Handbook of Hazards and Disaster Risk Reduction Including Climate Change Adaptation*, Routledge, 2017.
- 4.

Agencies, Institutes and Centers in India. Candidates desirous of identifying an agency on their own may submit to the Department a letter stating their intent and a letter of acceptance from the said agency. Those who wish the Department to arrange Internship may express this through a letter to the Chairperson. The Board of Control will consider these applications and make arrangements in the best interest of the students. All those agencies where Internship will be allowed and undertaken will certify the Attendance, Joining and Relieving of the students/candidates.

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- 1. Each candidate shall be assigned by the Board of Control to a faculty member for supervision/co-supervision of his/her Internship Report.
- 2. The Internship Report shall be prepared by the candidate on the basis of work done or

Theory Paper: 50

Practical (File Record and Viva Voce): 20+10: 30

Internal Assessment: 20

To train the students to detect, identify and analyze industrial hazards and disasters. The focus of this course is to develop conceptual & theoretical clarity and technical skills in students for analysing various aspects of industrial safety and risk management.



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Introduction to Industrial Safety

- i. History and Development of Safety Standards and Codes; Safety Organisations
- ii. Accident and their Causes; Accident Prevention and Control Techniques

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Work Place Hazards

- iii. Identification of Hazards- Physical, Chemical, Electrical and Fire
- iv. Industrial Safety Legislations

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Industrial Safety Management

- v. Concept and Definition, Management Principles
- vi. Safety Management Principles and Practices

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Safety Awareness and Training

- vii. In-Plant Training Programmes; Out of Plant Training Programme
- viii.

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Disaster Risk Reduction

- vii. Risk Sensitive Urban Planning
- viii. Resilient Cities and Hazard Proofing of Built Spaces
- ix. Implementing Disaster Risk Reduction

2. Fekete, A. and Friedrich, F. *Urban Disaster Resilience and Security*. The Urban Book Series, Springer, 2018.
3. Ongkowitzo, C. S., & Doloi, H. Risk-based Resilience Assessment Model Focusing on Urban Infrastructure System Restoration. *Procedia engineering*, 212, 1115-1122, 2018.
4. Prior, T., & Roth, F. Disaster, resilience and security in global cities. *Journal of Strategic Security*, 6(2), 5, 2013.
- 5.

SEMESTER-IV

B A

1. Formulation of Research Proposal 50 marks	Chairperson
2. Mid Term appraisal 50 marks	Supervisor/Co-supervisor
3. Pre-submission Presentation 50 marks	One Faculty Member teaching the course
1. Dissertation Evaluation 150 marks	Chairperson
2. Presentation 50 marks	Supervisor/Co-supervisor
3. Viva-voce 50 marks	One Faculty Member teaching the course
<ul style="list-style-type: none"> • Three copies of the dissertation shall be submitted only on the approval of the Supervisor/s; the signatures of the supervisor/s are mandatory for submission of dissertation. • A Summary shall be submitted with the dissertation in hard and soft copy. Dissertation to be submitted 3 weeks prior to commencement of University Semester Examination. 	

1. Candidates shall submit the titles for dissertation after due consultation with their supervisor/s within 10 days of commencement of academic session
2. Candidates are required to give a presentation on research proposal including the research objectives, methodology and the chapter scheme **three weeks after the assigning of the dissertation title**. The Board of Examiners consisting of the Chairperson of the Department, Supervisor/s and one Faculty Member teaching the course shall evaluate the student independently and student shall be awarded the mean score of the three evaluations.
3. Mid-term appraisal shall be done by the Board of Examiners **within a month of formulation of research proposal**. The Board of Examiners consisting of the Chairperson of the Department, Supervisor and one Faculty Member teaching the course shall evaluate the student independently and student shall be awarded the mean score of the three evaluations.
4. Pre-submission Presentation shall be done by the Board of Examiners **within a fortnight of the mid-term appraisal**. The Board of Examiners consisting of the Chairperson of the Department, Supervisor and one Faculty Member teaching the course shall evaluate the student independently and student shall be awarded the mean score of the three evaluations.
5. The evaluation process shall have three components:
 - i. Evaluation of dissertation
 - ii. Presentation of data analysis and main findings
 - iii. Viva voce examination

Evaluation, Presentation and Viva-voce shall be done by the Board of Examiners consisting of the Chairperson of the Department, Supervisor and one Faculty Member teaching the course. They shall evaluate the dissertation, submitted by the student, independently and student shall be awarded the mean score of the three evaluations. The dissertation shall incorporate the findings arrived at on the basis of the data/information collected from the field and processed, analysed and mapped.